



Robert Greene Sterne
Jorge A. Goldstein
David K.S. Cornwell
Robert W. Esmond
Tracy-Gene G. Durkin
Michele A. Cimbalà
Michael B. Ray
Robert E. Sokohl
Eric K. Steffe
Michael Q. Lee
Steven R. Ludwig
John M. Covert
Linda E. Horner
Robert C. Millonig
Donald J. Featherstone
Timothy J. Shea, Jr
Michael V. Messinger
Judith U. Kim

Patrick E. Garrett
Jeffrey T. Helvey
Eldora L. Ellison
Thomas C. Fiala
Donald R. Banowitz
Peter A. Jackman
Jeffrey S. Weaver
Brian J. Del Buono
Edward W. Yee
Vincent L. Capuano
Virgil Lee Beaton
Theodore A. Wood
Elizabeth J. Haanes
Joseph S. Ostroff
Frank R. Cottingham
Daniel A. Klein
Jason D. Eisenberg
Michael D. Specht

Tracy L. Muller
Jon E. Wright
LuAnne M. DeSantis
Ann E. Summerfield
Helene C. Carlson
Cynthia M. Bouchez
Timothy A. Doyle
Gaby L. Longworth
Lori A. Gordon
Laura A. Vogel
Bryan S. Wade
Bashir M.S. Ali
Shannon A. Carroll
Matthew E. Kelley
Anbar F. Khal
Michelle K. Holoubek
Marsha A. Rose
Young Tang

Christopher J. Walsh
W. Blake Coblenz
James J. Pohl*
John T. Haran
Mark W. Rygiel
Kevin W. McCabe

Registered Patent Agents*

Karen R. Markowicz
Matthew J. Dowd
Katrina Yujian Pei Quach
Bryan L. Skelton
Robert A. Schwartzman
Victoria S. Rutherford
Simon J. Elliott
Julie A. Heider
Mita Mukherjee

Scott M. Woodhouse
Liliana Di Nola-Baron
Peter A. Socarras
Jeffrey K. Mills
Danielle L. Letting
Lori Brandes
Steven C. Oppenheimer

Of Counsel

Edward J. Kessler
Kenneth C. Bass III
Marvin C. Guthrie

*Admitted only in Maryland

*Admitted only in Virginia

*Practice Limited to
Federal Agencies

September 29, 2006

WRITER'S DIRECT NUMBER:

(202) 772-8591

INTERNET ADDRESS:

JMILLS@SKGF.COM

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 1639

Mail Stop: Amendment

Re: U.S. Utility Patent Application
Appl. No. 09/849,781; Filed: May 4, 2001
For: **Protein Chips for High Throughput Screening of Protein Activity**
Inventors: SNYDER *et al.*
Our Ref: 2493.0010002/RWE/JKM

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Credit Card Payment Form (PTO-2038) in the amount of \$180.00 to cover the Information Disclosure Statement fee;
2. Information Disclosure Statement;
3. List of cited references on Form PTO-SB08 (15 sheets);
4. Copies of references **B1-B42, C1-C21, C23-C49, C51-C77** and **C79-C121** listed on Form PTO-SB08 (160 documents);
5. List of cited references on Form PTO/SB/08A (1 sheet);
6. Copies of references **B43 and B44** listed on Form PTO/SB/08A (2 documents); and
7. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
September 29, 2006
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey K. Mills
Agent for Applicants
Registration No. 56,413

RWE/JKM:bac
Enclosures

589841_1.DOC



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SNYDER *et al.*

Appl. No.: 09/849,781

Filed: May 4, 2001

For: **Protein Chips for High
Throughput Screening of Protein
Activity**

Confirmation No.: 9891

Art Unit: 1639

Examiner: Tran, My Chau T.

Atty. Docket: 2493.0010002/RWE/JKM

Information Disclosure Statement

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

10/02/2006 JADD01 00000002 09849781

01 FC:1006

100.00 0P

not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

Copies of documents **B1-B44**, **C1-C21**, **C23-C49**, **C51-C77** and **C79-C121** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached IDS Forms are submitted.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following discussion of the relevance of the non-English language documents **B1**, **B3** and **B6** cited on PTO-SB08:

Document **B1** is in the German language. An unverified English language abstract is attached to document **B1**.

Document **B3** is in the German language. An unverified English language abstract is attached to document **B3**.

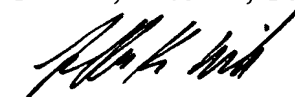
Document **B6** is an abstract of JP 02272081. JP 02272081 is in the Japanese language. An unverified English language abstract of JP 02272081 is attached to document **B6**.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey K. Mills
Agent for Applicants
Registration No. 56,413

Date: September 29, 2006

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

589850_1.DOC

Form PTO-SB08 (modified)

Atty. Docket No.
6523-028Serial No.
09/849,781

List of Patents and Publications for Applicant's

Applicant
Snyder et al.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
May 4, 2001Group:
1639U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 6Other Art
See Page 8

U.S. PATENT DOCUMENTS

Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A1	US2002-0115225	03-2002	Wagner et al.	
	A2	US2002-0106702	08-2002	Wagner	
	A3	US2002-0110932	08-2002	Wagner et al.	
	A4	US2002-0110933	08-2002	Wagner et al.	
	A5	US2002-0119579	08-2002	Wagner et al.	
	A6	US2002-0132272	09-2002	Wagner et al.	
	A7	US2002-0164656	11-2002	Hoeffler et al.	
	A8	US2003-0017149	01-2003	Hoeffler et al.	
	A9	US2003-003599	01-2003	Wagner et al.	
	A10	US2003-0073811	04-2003	Kozlowski et al.	
	A11	US2003-0138973	07-2003	Wagner et al.	
	A12	US2004-0197931	10-2004	Pierre et al.	
	A13	US2004-0241751	12-2004	Wagner, Peter ; et al.	
	A14	US2004-0248323	12-2004	Zhou et al.	
	A15	US2005-0008674	01-2005	Wagner et al.	
	A16	US2005-0014292	01-2005	Wagner et al.	
	A17	US2005-0026215	02-2005	Predki et al.	
	A18	US2005-0095646	05-2005	Sherman	
	A19	US2005-0100947	05-2005	Wagner et al.	
	A20	US2005-0118665	06-2005	Zhou et al.	
	A21	US2005-0182242	08-2005	Snyder et al.	
	A22	US2005-0233473 A1	10-2005	Cicero et al.	
	A23	US2005-0244854	11-2005	Cahill et al.	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

U.S. PATENT DOCUMENTS					
Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A24	US2006-0035387	02-2006	Wagner et al.	
	A25	US2006-0099704	05-2006	Predki et al	
	A26	4,071,409	01-1978	Messing et al.	
	A27	4,281,061	07-1981	Zuk et al.	
	A28	4,444,879	04-1984	Foster et al.	
	A29	4,483,929	11-1984	Szoka F.C.	
	A30	4,514,508	04-1985	Hirschfield	
	A31	4,562,157	12-1985	Lowe et al.	
	A32	4,591,570	05-1986	Chang	
	A33	4,722,896	02-1988	Kadish et al.	
	A34	4,728,591	03-1988	Clark et al.	
	A35	4,802,951	02-1989	Clark et al.	
	A36	4,816,567	3-1989	Cabilly et al.	
	A37	4,894,146	01-1990	Giddings	
	A38	4,987,032	01-1991	Miyasaka et al.	
	A39	5,096,807	03-1992	Leaback et al.	
	A40	5,143,854	09-1992	Pirrung et al.	
	A41	5,154,808	10-1992	Miyasaka et al.	
	A42	5,242,828	09-1993	Bergstrom et al.	
	A43	5,252,743	10-1993	Barrett et al.	
	A44	5,270,167	12-1993	Francoeur et al.	
	A45	5,283,173	02-1994	Fields et al.	
	A46	5,296,114	03-1994	Manz et al.	
	A47	5,296,144	03-1994	Manz et al.	

EXAMINER:**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

U.S. PATENT DOCUMENTS					
Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A48	5,304,487	04-1994	Wilding et al.	
	A49	5,348,886	09-1994	Lee et al.	
	A50	5,376,252	12-1994	Ekstrom et al.	
	A51	5,384,261	01-1995	Winkler et al.	
	A52	5,405,766	04-1995	Kallury et al.	
	A53	5,405,783	04-1995	Pirrung et al.	
	A54	5,412,087	05-1995	Mc.Gall et al.	
	A55	5,424,186	06-1995	Fodor et al.	
	A56	5,429,807	07-1995	Matson et al.	
	A57	5,432,099	07-1995	Ekins	
	A58	5,441,876	08-1995	Singh et al.	
	A59	5,445,934	08-1995	Fodor et al.	
	A60	5,466,589	11-1995	Olinger et al	
	A61	5,489,678	02-1996	Fodor et al.	
	A62	5,498,545	03-1996	Vestal et al.	
	A63	5,506,121	04-1996	Skerra et al.	
	A64	5,510,270	04-1996	Fodor et al.	
	A65	5,512,492	04-1996	Herron et al.	
	A66	5,516,635	05-1996	Ekins et al.	
	A67	5,532,128	07-1996	Eggers	
	A68	5,538,897	03-1994	Yates, III et al.	
	A69	5,541,070	07-1996	Kauvar	
	A70	5,545,531	08-1996	Rava , et al.	
	A71	5,580,733	12/1998	Levis et al.	

EXAMINER:**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

U.S. PATENT DOCUMENTS					
Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A72	5,585,069	12-1996	Zanzucchi et al.	
	A73	5,593,838	1-1997	Zanzucchi et al.	
	A74	5,605,662	02-1997	Heller et al.	
	A75	5,620,850	04-1997	Bamdad et al.	
	A76	5,624,711	04-1997	Sundberg et al.	
	A77	5,627,369	05-1997	Vestal et al.	
	A78	5,629,213	05-1997	Kornguth et al.	
	A79	5,637,469	06-1997	Wilding et al.	
	A80	5,643,948	07-1997	Driedger et al.	
	A81	5,677,195	10-1997	Winkler et al.	
	A82	5,677,196	10-1997	Herron et al.	
	A83	5,681,484	10-1997	Zanzucchi et al.	
	A84	5,688,642	11-1997	Chrissey et al.	
	A85	5,726,026	03-1998	Wilding et al.	
	A86	5,741,700	04-1998	Ershov et al.	
	A87	5,744,305	04-1998	Fodor et al.	
	A88	5,763,170	06-1998	Raybuck	
	A89	5,766,908	6-1998	Klein et al.	
	A90	5,776,674	07-1998	Ulmer	
	A91	5,776,706	07-1998	Siiman et al.	
	A92	5,807,522	09-1998	Brown et al.	
	A93	5,807,755	09-1998	Ekins	
	A94	5,821,063	04-1997	Patterson et al.	
	A95	5,827,658	10-1998	liang	
	A96	5,834,319	11-1998	Ekins	
	A97	5,837,551	11-1998	Ekins	
	A98	5,837,832	11-1998	Chee et al.	

EXAMINER:**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

U.S. PATENT DOCUMENTS					
Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A99	5,854,018	12-1998	Hitzemanet al.	
	A100	5,858,188	01-1999	Soane et al.	
	A101	5,858,804	01-1999	Zanzucchi et al.	
	A102	5,861,242	01-1999	Chee et al.	
	A103	5,861,254	01-1999	Schneider , et al.	
	A104	5,866,345	02-1999	Wilding et al.	
	A105	5,866,363	02-1999	Pieczenik	
	A106	5,874,219	02-1999	Rava , et al.	
	A107	5,885,793	03-1999	Griffiths et al.	
	A108	5,905,024	05-1999	Mirzabekov et al.	
	A109	5,919,523	07-1999	Sundberg et al.	
	A110	5,922,591	07-1999	Anderson et al.	
	A111	5,922,617	07-1999	Wang et al.	
	A112	5,925,552	07-1999	Keogh et al.	
	A113	5,942,443	08-1999	Parce et al.	
	A114	5,945,334	08-1999	Fodor et al.	
	A115	5,948,621	09-1999	Turner et al.	
	A116	5,981,734	11-1999	Mirzabekov et al.	
	A117	6,001,607	12-1999	Tang , et al.	
	A118	6,040,193	3/21/00	Winkler , et al.	
	A119	6,083,763	07-2000	Balch	
	A120	6,087,102	07-2000	Chenchik et al.	
	A121	6,087,103	07-2000	Burmer	
	A122	6,100,099	08-2000	Gordon et al.	
		6,103,479	08-2000	Taylor	
	A124	6,107,059	08-2000	Hart	
	A125	6,110,426	08-2000	Shalon et al.	
	A126	6,121,048	09-2000	Zaffaroni et al.	
	A127	6,124,102	09-2000	Fodor et al.	

EXAMINER:**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

U.S. PATENT DOCUMENTS					
Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A128	6,190,619	02-2001	Kilcoin , et al.	
	A129	6,190,908	02-2001	Kang	
	A130	6,194,612	02-2001	Boger , et al.	
	A131	6,197,506	03-2001	Fodor et al.	
	A132	6,303,344	10-2001	Patten et al.	
	A133	6,316,186	11-2001	Ekins	
	A134	6,346,413	02-2002	Fodor et al.	
	A135	6,391,625	05-2002	Park et al.	
	A136	6,399,365	06-2002	Besemer , et al.	
	A137	6,403,320	06-2002	Read , et al.	
	A138	6,454,924	09-2002	Jedrzejewski et al.	
	A139	6,531,283	03-2003	Kingsmore et al.	
	A140	6,544,739	04-2003	Fodor , et al.	
	A141	6,576,478	06-2003	Wagner et al.	
	A142	6,582,969	06-2003	Wagner et al.	
	A143	6,582,969	06-2003	Wagner et al.	
	A144	6,596,545	07-2003	Wagner et al.	
	A145	6,600,031	07-2003	Fodor , et al.	
	A146	6,610,482	08-2003	Fodor , et al.	
	A147	6,630,358	10-2003	Wagner et al.	
	A148	6,682,942	01-2004	Wagner et al.	
	A149	6,692,751	02-2004	Zebedee , et al.	
	A150	6,699,665	02-2004	Kim et al.	
	A151	6,720,149	04-2004	Rava , et al.	
	A152	6,720,157	04-2004	Indermuhle , et al.	
	A153	6,780,582	08-2004	Wagner et al.	
	A154	6,818,411	11- 2004	Hutchens , et al.	
	A155	6,844,165	01-2005	Hutchens , et al.	
	A156	6,881,586	04-2005	Hutchens , et al.	
	A157	6,897,073	05-2005	Wagner et al.	

EXAMINER:**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Att. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 6</i>	Other Art <i>See Page 8</i>	

U.S. PATENT DOCUMENTS					
Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A158	6,919,211	07-2005	Fodor, et al.	
	A159	6,943,034	09-2005	Winkler, et al.	
	A160	6,960,457	11-2005	Spudich, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T
	B1	EP596421 A	10-1993	Barner et al.		*
	B2	EP0619321	12-1994	Affymax Tech		
	B3	EP0664452 A2	07-1995	Sluka et al.		*
	B4	EP0972564	01-2000	Winkler et al.		
	B5	EP1086742	03-2001	Buchko et al.		
	B6	JP02272081	11-1990	Miyaska		*
	B7	WO 00/07024	02-2000	Wildsmith et al.		
	B8	WO 00/20475	04-2000	Sutherland et al.		
	B9	WO 00/54046	07-2000	Ge Hui		
	B10	WO 00/63701	10-2000	Brown et al.		
	B11	WO 01/04265	01-2001	Lohse et al.		
	B12	WO 01/14425	03-2001	Kim Sun-Young		
	B13	WO 01/18545	03-2001	Krause et al.		
	B14	WO 01/29220	04-2001	Heidecker et al.		
	B15	WO 01/36681	05/25/01	Lazar et al.		
	B16	WO 01/81924	11-2001	Drukier Andrzej		
	B17	WO 01/83827	11-2001	Snyder		
	B18	WO 02/053775	07-2002	Wojnowski		
	B19	WO 02/086491	10-2002	Joos et al.		
	B20	WO 02/092118	11-2002	Snyder et al.		
	B21	WO 02/099099	12-2002	Penger		
	B22	WO 03/018854	03-2003	Hodneland et al.		
	B23	WO 89/04675	06-1989	Huston et al.		
	B24	WO 90/05144	05-1990	Winter et al.		

EXAMINER:**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T
	B25	WO 92/01047	01-1992	McCafferty et al.		
	B26	WO 92/20791	11-1992	Winter et al.		
	B27	WO 93/12248	06-1993	Spencer et al.		
	B28	WO 93/19172	09-1993	Johnson et al.		
	B29	WO 95/35505	12-1995	Shalon et al.		
	B30	WO 96/36436	11-1996	Nova et al.		
	B31	WO 97/32017	09-1997	Ilag et al.		
	B32	WO 98/23948	06-1998	Boxer et al.		
	B33	WO 98/27229	06-1998	Mirzabekov et al.		
	B34	WO 98/39481	09-1998	Anderson et al.		
	B35	WO 98/39481	09-1998	WO		
	B36	WO 98/43086	10-1998	Everhart et al.		
	B37	WO 98/50773	11-1998	Charych et al.		
	B38	WO 99/20749	04-1999	Tomlinson et al.		
	B39	WO 99/28502	06-1999	Hoeffler		
	B40	WO 99/45130	09-1999	Clark et al.		
	B41	WO 99/57311	11-1999	Cahill et al.		
	B42	WO 99/57312	11-1999	Cahill Et al		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
	C1	ABSTRACT XP002291800, Derwent Publication Ltd., London, GB; Class A89 AN 1997-011913	
	C2	Ahluwalia, et al, Biosens. Bioelectron. 7(3):207-214, 1992;	
	C3	Ames et al., "Conversion of murine Fabs isolated from a combinatorial phage display library to full length immunoglobulins", 1995, J. Immunol. Methods 184:177-86	
	C4	Baecher-Allan et al., "Differential epitope expression of Ly-48 (mouse leukosialin)." Immunogenetics. 1993;37(3):183-92.	
	C5	Bailis, J. M., & Roeder, G. S. Synaptonemal complex morphogenesis and sisterchromatid cohesion require Mek1-dependent phosphorylation of a meiotic chromosomal protein. Genes & Dev. 12, 3551-3563 (1998).	

EXAMINER:**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
	C6	Barral et al. "Niml-related kinases coordinate cell cycle progression with the organization of the peripheral cytoskeleton in yeast." Genes & Dev. 13, 176-187 (1999).	
	C7	Bhatia, et al, Anal. Biochem. 178(2):408-413, 1989;	
	C8	Blachere et al., "Heat shock protein vaccines against cancer" 1993, J. Immunotherapy 14:352-6	
	C9	Bussow et al., "A human cDNA library for high-throughput protein expression screening." 2000, Genomics 65:1	
	C10	Caveman, "'I'll have a genome with chips, please". By Caveman." 2000, J. Cell Sci. 113:3543	
	C11	Cha et al. Expression of fused protein, human interleukin-2 simplified as a fusion with green fluorescent protein, in suspended Sf-9 insect cells" J. Biotechnology 69, 9-17. (1999). Early work presented at " Annual Meeting of The American Institute of Chemical Engineers, Los Angeles, CA, " Nov. 1997	
	C12	Christendat et al. "Structural proteomics: prospects for high throughput sample preparation." Prog Biophys Mol Biol. 2000;73(5):339-45. Review. No abstract available.	
	C13	Christendat et al., "Structural proteomics of an archaeon." Nat Struct Biol. 2000 Oct;7(10):903-9.	
	C14	Cohen P. "Classification of protein-serine/threonine phosphatases: identification and quantitation in cell extracts." Methods Enzymol. 1991;201:389-98. Review. No abstract available.	
	C15	Cohen, et al., "An artificial cell-cycle inhibitor isolated from a combinatorial library.", Proc. Natl. Acad. Sci. USA, 95:14272-7, 1998	
	C16	Collioud et al. (1993). Oriented and covalent immobilization of target molecules to solid supports: Synthesis and application of a light-activatable and thiol-reactive cross-linking reagent. Bioconjugate Chem. 4:528-536.	
	C17	Couchman et al., "p53lyn and p56lyn: a new signaling pathway in human endometrium and endometrial adenocarcinomas.", J Soc Gynecol Investig. 1997 Mar-Apr;4(2):103-9.	
	C18	Cupo JF. " Electrophoretic analysis of nuclear matrix proteins and the potential clinical applications.", J Chromatogr. 1991 Sep 13;569(1-2):389-406.	
	C19	Davies and Benzer: Generation of cDNA expression libraries enriched for in-frame sequences" PNAS v. 94, 2128-2132, 1997	
	C20	Davies et al. "Profiling of amyloid beta peptide variants using SELDI Protein Chip arrays." Biotechniques. 1999 Dec;27(6):1258-61.	
	C21	Dawson et al., "Peptide-derived self-assembled monolayers: adsorption of N-stearoyl L-Cysteine methyl ester on gold," Journal of Molecular Recognition, 10:18-25 (1997).	
	C23	DeRisi et al., "Exploring the metabolic and genetic control of gene expression on a genomic scale. Science 278, 680-686 (1997).	
	C24	Duschl et al., "Surface engineering: optimization of antigen presentation in self-	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
		assembled monolayers," Biophysical Journal, 70:1985-1995 (1996).	
	C25	Dzgoev et al "Microformat imaging ELISA for pesticide determination" Anal. Chem. 68(19):3364 (1996).	
	C26	Ekins "Ligand assays" from electrophoresis to miniaturized microarrays Clin. Chem. 44(9):2015-2030 (1998).	
	C27	Ekins et al., "Multianalyte microspot immunoassay--microanalytical "compact disk" of the future", Clin Chem. 1991 Nov;37(11):1955-67.	
	C28	Ekins et al., Multianalyte microspot immunoassay. The microanalytical 'compact disk' of the future. Ann Biol Clin (Paris). 1992;50(5):337-53.	
	C29	Ekins, et al., Clinica Chimica Acta., 194:91-114, 1990	
	C30	Ferrigno et al. "Regulated nucleo/cytoplasmic exchange of HOG1 MAPK requires the importin beta homologs NMD5 and XPO1." EMBO J. 17, 5606-5614 (1998).	
	C31	Fields et al., "Functional genomics." Proc. Natl. Acad. Sci. 96, 8825-26 (1999).	
	C32	Fini et al., 1999, "Development of a chemiluminescence competitive PCR for the detection and quantification of parvovirus B19 DNA using a microplate luminometer", Clin Chem. 45(9):1391-6	
	C33	Fitch, W. M. & Margoliash, E. Construction of phylogenetic trees. Science. 155, 279-284 (1967)	
	C34	Freij-Larsson, et al, Biomaterials 17(22):2199-2207, 1996	
	C35	Fukuda, et al., Nucleic Acids Symp. Ser., (37):237-8, 1997	
	C36	Ganz et al., "Characterization of plasminogen binding to human capillary and arterial endothelial cells.", Biochem Cell Biol. 1991 Jul;69(7):442-8.	
	C37	Geohegan et al. "Fluorescence-based continuous assay for the aspartyl protease of human immunodeficiency virus-1" FEBS 262:119-122 (1990).	
	C38	Goffeau, A., et al. Life with 6000 genes. Science 274, 563-567 (1996).	
	C39	Gonnet, G. H., Cohen, M. A., and Benner, S. A. Exhaustive matching of the entire protein sequence database. Science. 256, 1443-1445 (1992).	
	C40	Guenther and Hart, 1998, "Quantitative, competitive PCR assay for HIV-1 using a microplate-based detection system", Biotechniques 24(5):810-6	
	C41	Guerra et al., 2000, Biosci. Rep. 20: 41	
	C42	Hegner et al., "Ultralarge atomically flat template-stripped Au surfaces for scanning probe microscopy," Surface Science, 291:39-46 (1993).	
	C43	Heyman, J. A., et al. Genome-scale cloning and expression of individual open reading frames using topoisomerase I-mediated ligation. Genome Res. 9, 383-392 (1999).	
	C44	Higgins, D. G., Thompson, J. D., and Gibson, T. J. Using CLUSTAL for multiple sequence alignments. Methods Enzymol. 266, 383-402 (1996).	
	C45	Ho, U., Mason, S., Kobayashi, R., Heokstra, M., and Andrew, B. Role of the casein kinase I isoform, Hrr25, and the cell cycle-regulatory transcription factor, SBF, in the	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
		transcriptional response to DNA damage in <i>Saccharomyces cerevisiae</i> . Proc. Natl. Acad. Sci. 94, 581-586 (1997).	
	C46	Holly et al. "PAK-family kinases regulate cell and actin polarization throughout the cell cycle of <i>Saccharomyces cerevisiae</i> . J. Cell Biol. 147, 845-856 (1999).	
	C47	Horak et al. "ChIP-chip: a genomic approach for identifying transcription factor binding sites." Methods Enzymol. 2002;350:469-83. No abstract available.	
	C48	Huang RP. "Detection of multiple proteins in an antibody-based protein microarray system." J Immunol Methods. 2001 Sep 1;255(1-2):1-13.	
	C49	Hudson, J. R., et al. The complete set of predicted genes from <i>Saccharomyces cerevisiae</i> in a readily usable form. Genome Res. 7, 1169-1173 (1997).	
	C50	Hunter, T. & Sefton, B. M. Protein phosphorylation. Meth. in Enzym. 200, 35-83 (1991).	
	C51	Ito et al., "Toward a protein-protein interaction map of the budding yeast: A comprehensive system to examine two-hybrid interactions in all possible combinations between the yeast proteins." Proc. Natl. Acad. Sci. USA. 97, 1143 (2000)	
	C52	Jaquenoud, M., Gulli, M. P., Peter, K., and Peter, M. The Cdc42p effector Gic2p is targeted for ubiquitin-dependent degradation by the SCFGrr1 complex. EMBO J. 17, 5360-5373 (1998).	
	C53	Jona G, Snyder M., Recent developments in analytical and functional protein microARRAYs. Curr Opin Mol Ther. 2003 Jun;5(3):271-7. Review.	
	C54	Jones et al. "Microminiaturized immunoassays using atomic force microscopy and compositionally patterned antigen arrays" Anal. Chem. 70(7):1223-1241 (1998).	
	C55	Jonsson et al. "Immobilization of immunoglobulins on silica surfaces. Kinetics of immobilization and influence of ionic strength." Biochem J. 1985 Apr 15;227(2):373-8.	
	C56	Kaouass, M., et al. The STK2 gene, which encodes a putative Ser/Thr protein kinase, is required for high-affinity spermidine transport in <i>Saccharomyces cerevisiae</i> . Mol. Cell Biol. 17, 2994-3004 (1997).	
	C57	Kaplan et al. "Selection of multiple human immunodeficiency virus type 1 variants that encode viral proteases with decreased sensitivity to an inhibitor of the viral inhibitor" Proc. Natl. Acad. Sci. USA 91:5597-5601 (1994).	
	C58	Kemeny "Enzyme-linked immunoassays" In Immuno Chemistry I (eds Johnstone and Turner) p 147-175 (11/97).	
	C59	Kettleborough et al., "Isolation of tumor cell-specific single-chain Fv from immunized mice using phage-antibody libraries and the re-construction of whole antibodies from these antibody fragments." Eur. J. Immunol. 24:952-8 (1994)	
	C60	Knezevic et al., 2001, Proteomics 1, 1271-8	
	C61	Kodadek T. "Protein microarrays: prospects and problems." Chem Biol. 2001 Feb;8(2):105-15.	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
	C62	Kricka "Miniaturization of analytical systems" Clin. Chem. 44(9):2008-2014 (1998).	
	C63	Kumar et al. "An integrated approach for finding overlooked genes in yeast." Nat Biotechnol. 2002 Jan;20(1):58-63.	
	C64	Lakey et al., "Measuring protein-protein interactions", Curr Opin Struct Biol. 8:119-23 (1998)	
	C65	Lijnen et al. Screening panels of monoclonal antibodies using phage-displayed antigen. Anal Biochem. 1997 Jun 1;248(2):211-5.	
	C66	Lipman, D. J. & Pearson, W. R. Rapid and sensitive protein similarity searches. Science. 277, 1435-1441 (1985).	
	C67	Loeb et al. "Complete mutagenesis of the HIV-1 protease" Nature 340:397-400 (1989).	
	C68	Louis et al. "Autoprocessing of the HIV-1 protease using purified wild-type and mutated fusion proteins expressed at high levels in Eschericia coli" Eur. J. Biochem. 199:361-369 (1991).	
	C69	Luscombe et al. "Express Yourself: A modular platform for processing and visualizing microARRAY data." Nucleic Acids Res. 2003 Jul 1;31(13):3477-82.	
	C70	MacBeath et al. "Printing proteins as microarrays for high-throughput function determination." Science 289, 1760 (2000).	
	C71	Madden, K., Sheu, Y.-J., Baetz, K., Andrews, B., and Snyder, M. SBF cell cycle regulator as a target of the yeast PKC-MAP kinase pathway. Science 275, 1781-1784 (1997).	
	C72	Madoz-Gurpide et al. "Protein based microarrays: a tool for probing the proteome of cancer cells and tissues." Proteomics. 2001 Oct;1(10):1279-87.	
	C73	Maier et al., "Automated array technologies for gene expression profiling", Drug Discovery Today, 2(8), 315-324, (1997)	
	C74	Malathi, K., Xiao, Y., and Mitchell, A. P. Catalytic roles of yeast GSK3beta/shaggy homolog Rim1 lp in meiotic activation. Genetics 153, 1145-1152 (1999).	
	C75	Marks et al. "By-passing immunization-Human antibodies from V-gene libraries displayed on phage" J. Mol. Biol. 222:581-597 (1991).	
	C76	Marshall et al., "DNA chips: an array of possibilities." Nat Biotechnol. 1998 Jan;16(1):27-31.	
	C77	Mathys, et al., Gene 231:1-13, 1999; Evans, et al., Protein Science 7:2256-2264, 1998)	
	C78	Memeny. Enzyme-linked immunoassays. In Immuno-Chemistry 1 (eds Johnstone and Turner). p. 147-175, Nov. 1997.*	
	C79	Menees, T. M., Ross-MacDonald, P. B., and Roeder, G. S. MEI4, a meiosis-specific yeast gene required for chromosome synapsis. Mol. Cell Biol. 12, 1340-1351 (1992).	
	C80	Michaud et al., "Proteomic approaches for the global analysis of proteins. Biotechniques." 2002 Dec;33(6):1308-16. Review.	
	C81	Moore et al. "Peptide substrates and inhibitors of HIV-1 protease" Biochem. Biophys.	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Att. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
		Res. Com. 159:420-425 (1989).	
	C82	Mylin et al. "Regulated GAL4 expression cassette providing controllable and high-level output from high-copy galactose promoters in yeast. Methods Enzymol. 185, 297-308 (1990).	
	C83	Nock, "Reversible, site-specific immobilization of polyarginine-tagged fusio proteins on mice surfaces," FEBS, 414-233-238 (1997).	
	C84	Owen, D. J., Noble, M. E., Garman, E. F., Papageorgiou, A. C., and Johnson, L. N. Two structures of the catalytic domain of phosphorylase kinase: an active protein kinase complexed with substrate analogue and product. Structure, 3, 467-474 (1995).	
	C85	Pale-Grosdemange et al. "Formation of self-assembled monolayers by chemisorption of derivatives of oligo(ethylene glycol) of structure HS(CH ₂) ₁₁ (OCH ₂ CH ₂) _m OH on gold" J. Am. Chem. Soc. 113(1)12-20 (1991).	
	C86	Palladino et al., 1987, Cancer Res. 47:5074-9	
	C87	Pearson, W. R. & Lipman, D. J. Improved tools for biological sequence comparison. Proc. Natl. Acad. Sci. 85, 2444-2448 (1988).	
	C88	Persic et al., 1997, Gene 187:9-18	
	C89	Pham, et al. "Human Interleukin-2 Production in Insect (Trichoplusia ni) Larvae: Effects and Partial Control of Proteolysis", Biotechnology and Bioengineering vol. 62(2) pp. 175-182; Jan. 20, 1999.	
	C90	Plowman et al. "The protein kinases of Caenorhabditis elegans: A model for signal transduction in multicellular organisms. " Proc. Natl. Acad. Sci. 96, 13603-12610 (1999).	
	C91	Prime et al., "Self-assembled organic monolayers: model systems for studying absorption of proteins at surfaces," Science, 252:1164-1167 (1991).	
	C92	Ragg et al., FASEB, (9)73-80, January 1995	
	C93	Ramsay G., "DNA chips: state-of-the art.", Nat Biotechnol. 1998 Jan;16(1):40-4.	
	C94	Richman, T. J., Sawyer, M. M., and Johnson, D. I. The Cdc42p GTPase is involved in a G2/M morphogenetic checkpoint regulating the apical-isotropic switch and nuclear division in yeast. J. Biol. Chem. 274, 16861-16870 (1999).	
	C95	Roberts and Szostak, Proc. Natl. Acad. Sci. USA, 94:12297-302, 1997	
	C96	Roberts et al. "Rationale design of peptide-based HIV proteinase inhibitors" Science 248:358-361 (1990).	
	C97	Roemer, T. K., et al. Selection of axial growth sites in yeast requires Ax12p, a novel plasma membrane glycoprotein. Genes & Dev. 10, 777-793 (1996).	
	C98	Rowe et al. "Array biosensor for simultaneous identification of bacterial, viral and protein analytes" Anal. Chem. 71(17):3846-3852 (1999).	
	C99	Santos, T. & Hollingsworth, N. M. Redip, a MEK1-dependent phosphoprotein that	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 6	Other Art See Page 8	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
		physically interacts with Hop1p during meiosis in yeast. J. Biol. Chem. 274, 178310 1790 (1999)	
	C100	Schuh et al., "Determination of monoclonal antibody specificity by immunoabsorption and western blotting," J Immunol Methods. 1992 Jul 31;152(1):59-67.	
	C101	Sigal et al. (1996). A self-assembled monolayer for the binding and study of histidine- tagged proteins by surface plasmon resonance. Anal. Chem. 68:490-497.*	
	C102	Silzel et al. "Mass-sensing, multianalyte microarray immunoassay with imaging detection" Clin. Chem. 44(9):2036-2043 (1998)	
	C103	Sobel et al., "A highly divergent gamma-tubulin gene is essential for cell growth and proper microtubule organization in Saccharomyces cerevisiae." J. Cell Biol. 131, 1775- 1788 (1995)	
	C104	Stevenson et al., Biomarkers, (2)63-65, 1997	
	C105	Sundberg et al., "Spatially-addressable immobilization of macromolecules on solid supports," J. Am. Chem. Soc., 117:12050-12057 (1995).	
	C106	Uetz et al., "A comprehensive analysis of protein-protein interactions in Saccharomyces cerevisiae." Nature, Feb 10; 403 (6770) 623-7 (2000)	
	C107	Wagner et al., "Covalent immobilization of native biomolecules onto Au(111) via N- hydroxysuccinimide ester functionalized self-assembled monolayers for scanning probe microscopy," Biophysical Journal, 70:2052-2066 (1996).	
	C108	Wagner et al., "Formation and in Situ modification of monolayers chemisorbed on ultraflat template-stripped gold surfaces," Langmuir, 11(10):3867-3875 (1995).	
	C109	Wagner et al., Journal of Structural Biology, 1997, 119:189-201	
	C110	Weiner et al. "Site-directed mutagenesis of double-stranded DNA by the polymerase chain reaction" Gene 151:119-123 (1994).	
	C111	Weinert, T. A. & Hartwell, L. H. Cell cycle arrest of cdc mutants and specificity of the RAD9 checkpoint. Genetics 134, 63-80 (1993).	
	C112	Woo et al., Methods in Enzymology, Vol. 68, 389-395, 1979.	
	C113	Wu et al. "Structural basis for a specificity of retroviral proteases" Biochemistry 37:4518-4526 (1998).	
	C114	Wurgler-Murphy et al., "Regulation of the Saccharomyces cerevisiae HOG1 mitogen- activated protein kinase by the PTP2 and PTP3 protein tyrosine phosphatases." Mol. Cell Biol. 17, 1289-1297 (1997).	
	C115	Xia, Y. & Whitesides, G. M. Angew. Chem. Int. Ed. 37, 550-(1997).	
	C116	Zhang et al., "Protein tyrosine phosphatases: mechanism of catalysis and substrate specificity." Adv Enzymol Relat Areas Mol Biol. 1994;68:1-36. Review.	
	C117	Zhu et al. "Global analysis of protein activities using proteome chips." Science. 2001 Sep 14;293(5537):2101-5. Epub 2001 Jul 26.	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH
CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-SB08 (modified)		Atty. Docket No. 6523-028	Serial No. 09/849,781
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Snyder et al.	
		Filing Date: May 4, 2001	Group: 1639
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 6</i>	Other Art <i>See Page 8</i>	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
	C118	Zhu et al. "Protein array and micro array s" Curr Opin Chem Biol. 2001 Feb;5(1):40-5. Review	
	C119	Zhu et al. "Protein chip technology. " Curr Opin Chem Biol. 2003 Feb;7(1):55-63. Review.	
	C120	Zhu et al. "Proteomics." Annu Rev Biochem. 2003;72:783-812. Review.	
	C121	Ziegler et al., Cucumber mosaic cucumovirus antibodies from a synthetic phage display library. Virology. 1995 Dec 1;214(1):235-8.	

EXAMINER:**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Equivalent of Form PTO/SB/08A (07-05)

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	09/849,781
Filing Date	May 4, 2001
First Named Inventor	Snyder, M.
Art Unit	1639
Examiner Name	Tran, M.C.T.
Attorney Docket Number	2493.0010002/RWE/JKM

Sheet	1	of	1
-------	---	----	---

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

589092 1.DOC

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.